

WORK EXPERIENCE

Computer Vision Engineer, FindMind Analytics

Feb 2020 - Present

I am trusted with the tasks of processing and securing sensitive identity documents like Aadhaar and PAN cards using Optical Character Recognition, Text detection and other Image Processing techniques.

Deep Learning Lead, The Symbiotic Company

May 2020 - Present

The Symbiotic aims to make 3D printed prosthetic arms more affordable and user friendly. Im working on automating the grip patterns formed by the prosthetic using object detection.

POSITIONS OF RESPONSIBILITY

Creative Head, Mozilla Firefox Club VIT

2019 - Present

Promoting open source programming, heading the student chapter provides me both mentoring and management experience.

Senior Core Committee Member, Technical Computer Society of India, VIT

2018 - 2019

From organizing hackathons, leading workshops and looking around CTFs, with amazingly talented people I was fortunate enough to work with them on projects exposing students to new concepts.

Marketing Head,Vellore Executive Board & Volunteer ERIDE (NGO)

2018 - Present

Empowering Rural India with Digital Education (ERIDE) aims on delivering digital literacy to underprivileged people. Joined as a freshman, from teaching kids in orphanages, community centres to leading the NGO as a board member.

ACHIEVEMENTS

- **Winner, RCPC 2019**
Coding Competition, involving several rounds by ACM, VIT
- **Runner Up, Hackathon by VIT**
Hello World 2.0 hack conducted by VinnovateVIT
- **Winner, Jumble Ladder 2018**
Competitive Coding at Gravitas 2018, Technical Fest of VIT

LINKS

 <https://github.com/realsidg/>

 <https://www.linkedin.com/in/sidg510/>

EDUCATION

Btech, Computer Science with Spec. in Bioinformatics VIT Vellore (Institute of Eminence)

2018 - Present

Current CGPA 8.9

12th Grade, All India Senior School Certificate Examination (AISSCE)

Delhi Public School, RK Puram

2015 - 2017

Score: 90%

Subjects - Computer Science, Multimedia and Webtech, English, Mathematics, Physics and Chemistry

10th Grade, All India Secondary School Certificate (AISSC)

Delhi Public School, Agra

2007 - 2015

CGPA 9.4

SKILLS

Programming

Python, C++, C, Java, JavaScript, SQL

Machine Learning/ AI

CNNs, RNNs, Image Recognition, Sentiment Analysis, Topic Modeling, ObjectDetection, Tensorflow, Keras, PyTorch, Darknet

Web Development

Django, Flask, NodeJS, HTML, CSS, PHP, ReactJS

UI/UX

Adobe Illustrator, Adobe Photoshop, Canva, Adobe XD

PROJECTS

TB Saathi (Tuberculosis Diagnosis using neural networks tool)

Nov 2019 - Present

2nd Prize in Hello World Hack by Vinnovate VIT

Taking input as XRay images and symptoms, probability of TB is analyzed and subsequent measures taken in order to help under privileged patients.

Sentiment Analysis and Topic Modelling of primetime News-hour Debates from different news channels

Dec 2019 - Present

Scripts of Different new channels reporting news on a single day is collected and using NLP, different patterns and styles of news reporting by different anchors is parsed.

Extracting value of noised video dashboard of an aeroplane using video processing

Sep 2018

A video of the dashboard in an aeroplane's cockpit is given which has a lot of noise, Features have to be extracted from it and then exported to a csv file with respect to time

COURSEWORK

UNDERGRADUATE

Discrete Mathematics, Database Management Systems, Operating Systems, Statistics for Engineers, Linear Algebra, Theory Of Computation and Compiler Design, Object Oriented Programming, Data Structures and Algorithms, Computer Architecture and Organization

ONLINE

Deep Learning Specialization by deeplearning.ai

Sequence Models - Neural Networks & Deep Learning - Structuring Machine Learning Projects - Convolutional Neural Networks

AI Engineering Professional Certificate by IBM

Machine Learning with Python - Deep Learning & Neural Networks with Keras - Scalable ML on Big Data using Apache Spark - Deep Neural Networks with PyTorch - Building Deep Learning Models with TensorFlow - AI Capstone Project with Deep Learning